

FIG. 1

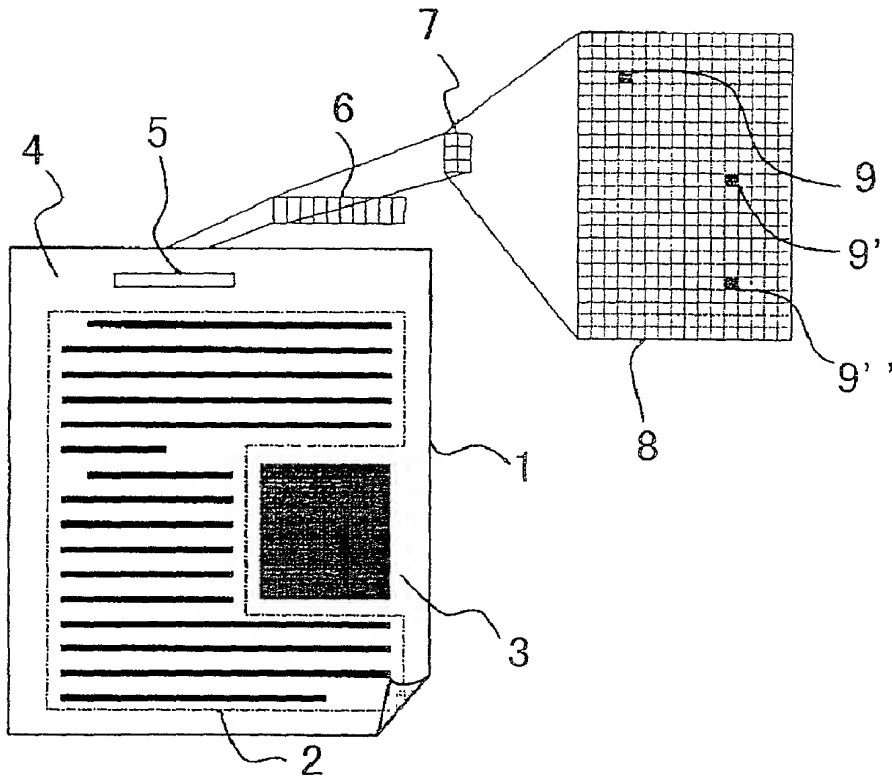


FIG. 2

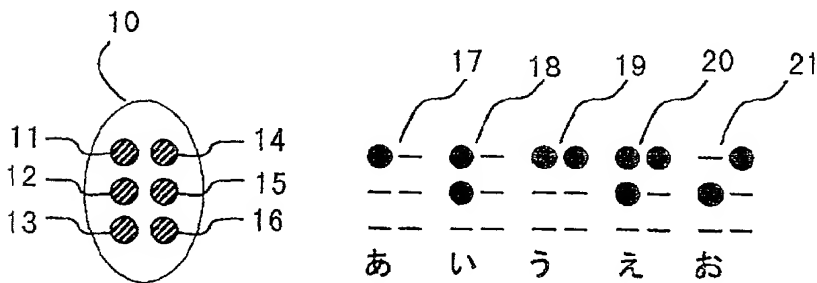


FIG. 3

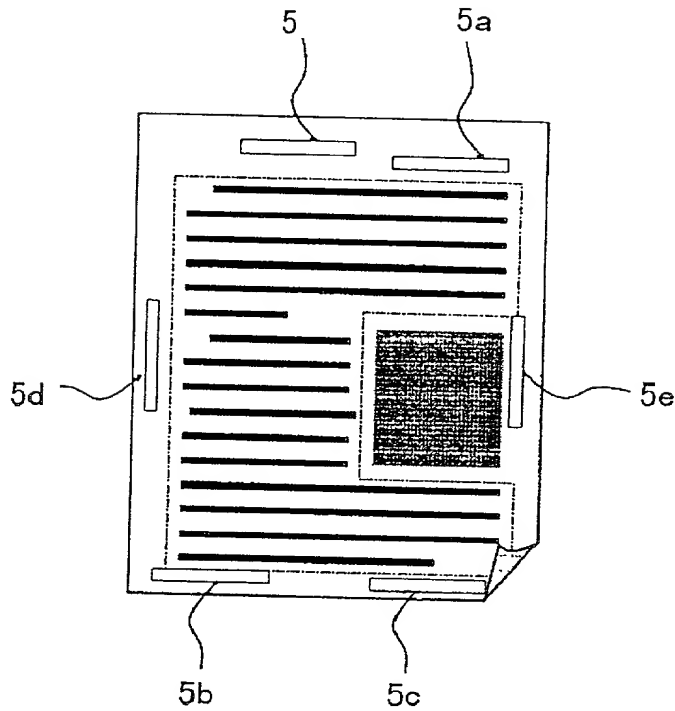
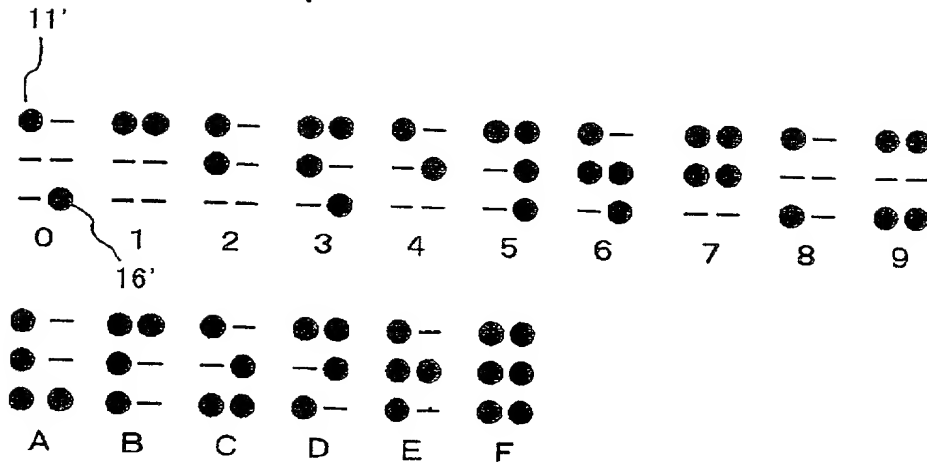
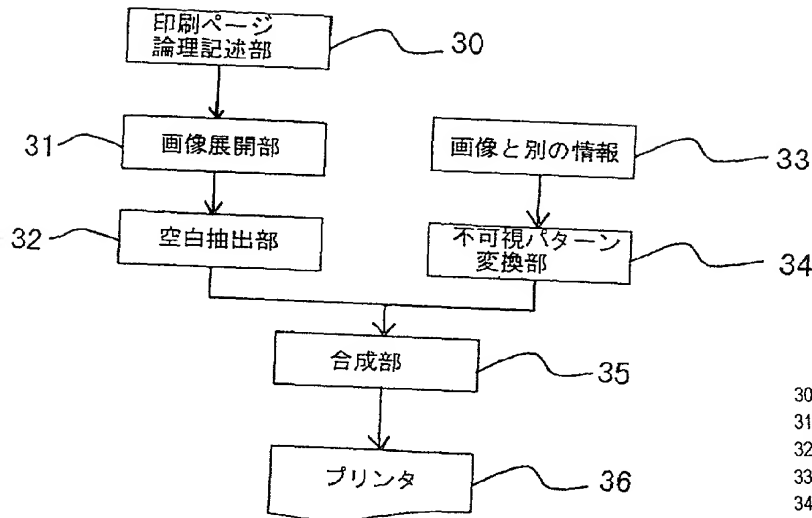


FIG. 4

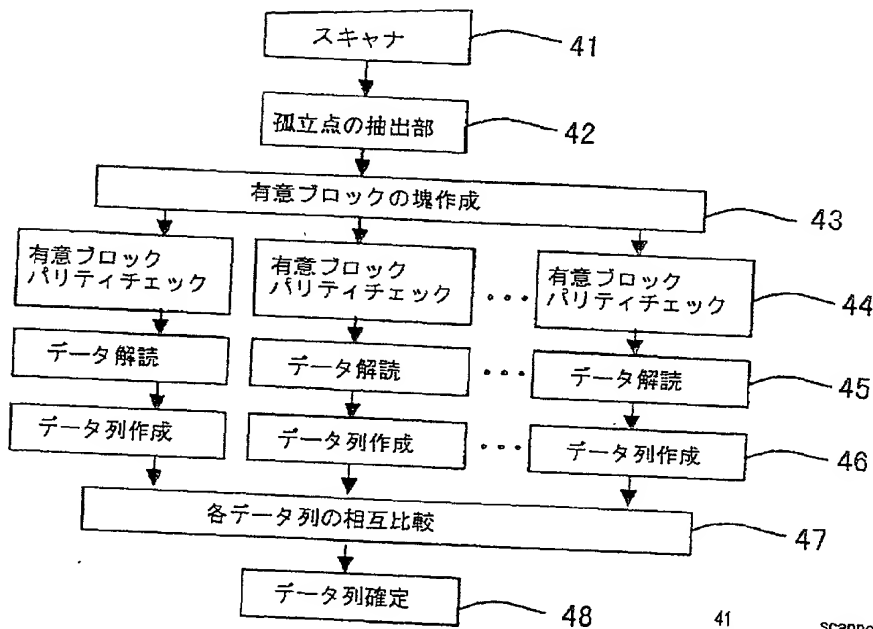


# FIG. 5



- 30 logic description part
- 31 image development part
- 32 blank extraction part
- 33 information
- 34 invisible pattern conversion part
- 35 composing part
- 36 printer

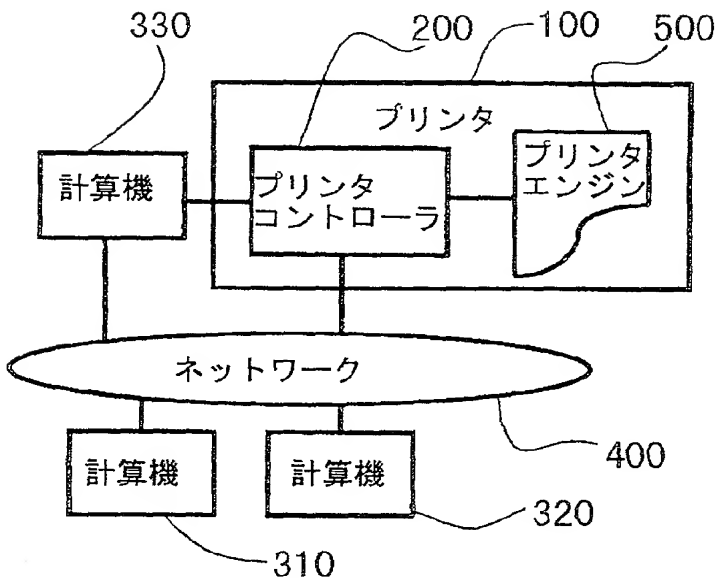
# FIG. 6



- 41 scanner
- 42 extract isolated points
- 43 generate a cluster of significant blocks
- 44 parity check the significant blocks
- 45 decode data
- 46 generate data trains
- 47 compare the data trains
- 48 define data

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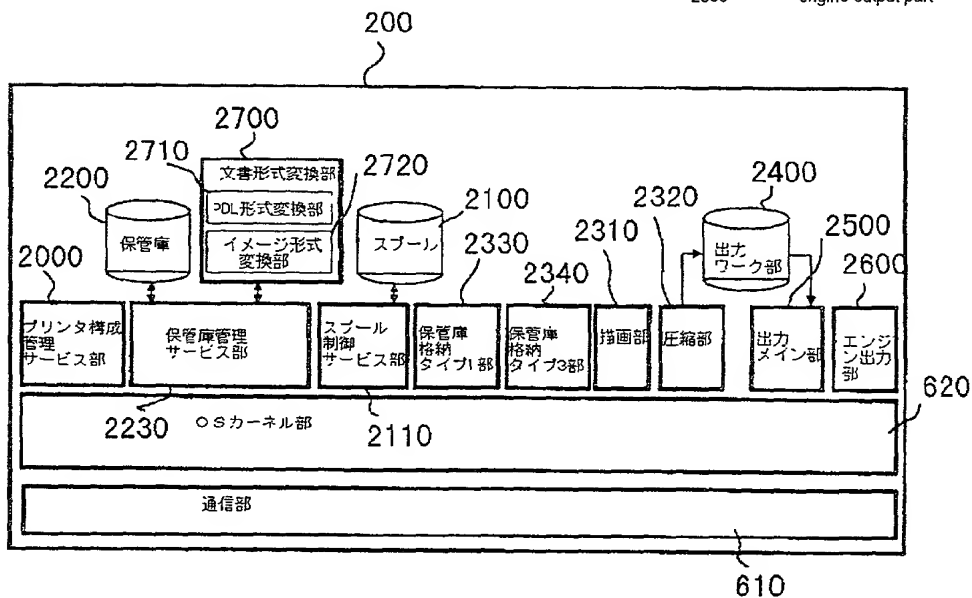
FIG. 7



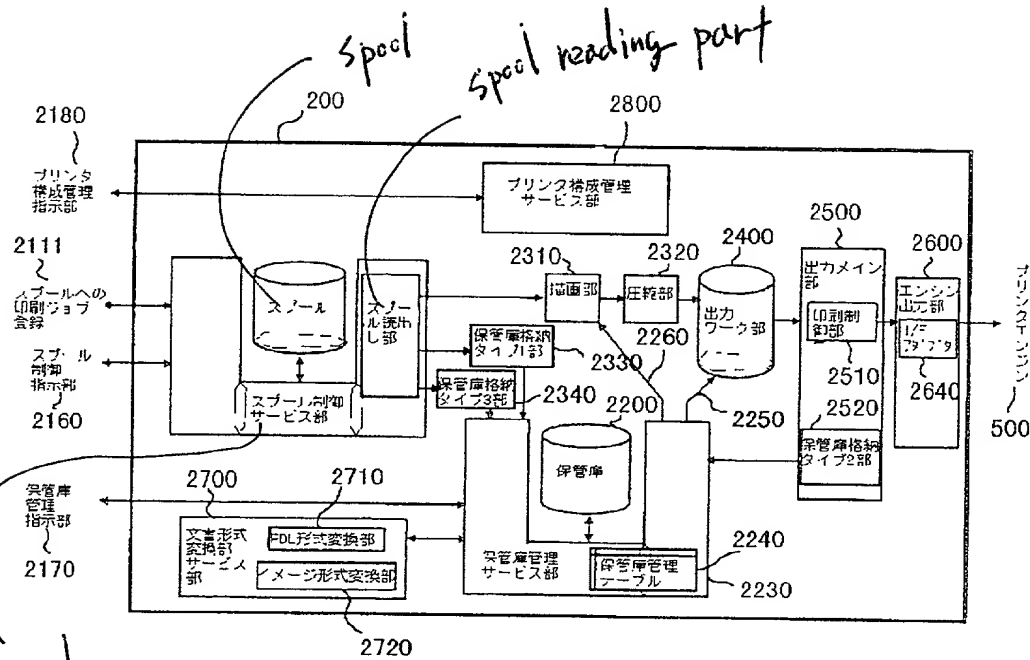
310, 320, 330 computer  
100 printer  
200 printer controller  
500 printer engine  
400 network

620 OS kernel part  
610 communication part  
2000 printer configuration management service part  
2200 archive  
2230 archive management service part  
2700 document format conversion part  
2710 PDL format conversion part  
2720 image format conversion part  
2110 spool control service part  
2100 spool  
2330 archive storage type 1 part  
2340 archive storage type 3 part  
2310 depicting part  
2320 compressing part  
2500 output main part  
2600 engine output part

FIG. 8



# FIG. 9

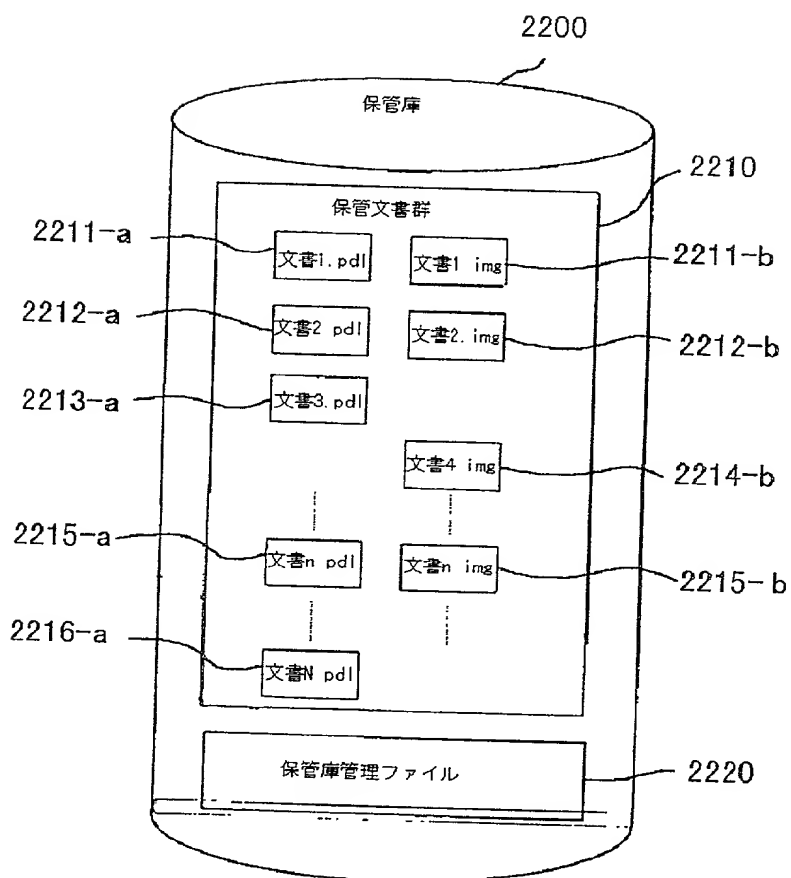


Spool  
control  
service  
part

2180 printer configuration management designating part  
2111 register the print job into the spool  
2160 spool control designating part  
2170 archive management designating part

2700 document format conversion part  
2710 PDL format conversion part  
2720 image format conversion part  
2800 printer configuration management service part  
2310 depicting part  
2320 compressing part  
2400 output work part  
2330 archive storage type 1 part  
2340 archive storage type 3 part  
2240 archive management table  
2230 archive management service part  
2500 output main part  
2510 print control part  
2520 archive storage type 2 part  
2600 engine output part  
2640 I/F adaptor  
500 to printer engine

# FIG. 10



2200 archive  
2210 archived document group

2211-a to 2216-a, 2211-b to 2216-b  
document 1 to document N